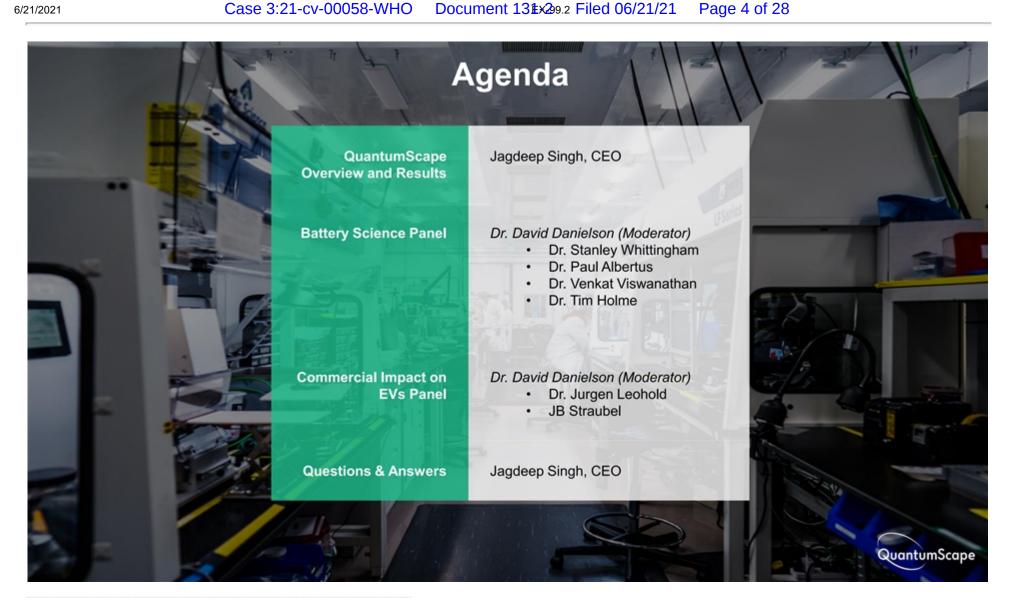
EXHIBIT "B"



Forward Looking Statements

- This presentation contains forward-looking statements within the meaning of the federal securities laws and information based on management's current expectations as of the date of this presentation. All statements other than statements of historical fact contained in this presentation, including statements regarding QuantumScape's future operating results, financial position, business strategy, addressable market, anticipated benefits of its technologies, projected factory economics, pro forma information, and plans and objectives for future operations and products are forward-looking statements. When used in this presentation, the words "may," "will," "estimate," "pro forma," "expect," "plan," "believe," "potential," "predict," "target," "should," "would," "could," "continue," "believe," "project," "intend," "anticipates" the negative of such terms and other similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. These forward-looking statements are based on management's current expectations, assumptions, hopes, beliefs, intentions and strategies regarding future events and are based on currently available information as to the outcome and timing of future events. QuantumScape cautions you that these forward-looking statements are subject to all of the risks and uncertainties, most of which are difficult to predict and many of which are beyond the control of QuantumScape, incident to its business.
- These forward-looking statements involve significant risks and uncertainties that could cause the actual results to differ materially from the expected results. Many of these factors are outside QuantumScape's control and are difficult to predict. Factors that may cause such differences include, but are not limited to: (i) QuantumScape faces significant barriers in its attempts to produce a solid-state battery cell and may not be able to successfully develop its solid-state battery cell, which will negatively impact the business; (ii) if QuantumScape's batteries fail to perform as expected, QuantumScape's ability to develop, market and sell its batteries could be harmed; (iii) QuantumScape may encounter substantial delays in the design, manufacture, regulatory approval, and launch of QuantumScape's solid-state battery cells, which could prevent QuantumScape from commercializing any products it determines to develop on a timely basis, if at all; (iv) QuantumScape has a relatively short operating history and operates in a rapidly evolving industry, which makes it difficult to evaluate future prospects and may increase the risk that it will not continue to be successful; (v) QuantumScape may be unable to adequately control the costs associated with its operations and the components necessary to build its solid-state battery cells; (vi) QuantumScape may not be successful in competing in the battery market industry or establishing and maintaining confidence in its long-term business prospectus among current and future partners and customers and (vii) the duration and impact of the COVID-19 pandemic on QuantumScape's business. QuantumScape cautions that the foregoing list of factors is not exclusive. QuantumScape cautions readers not to place undue reliance upon any forward-looking statements, which speak only as of the date made. Further information about factors that could materially affect QuantumScape, including its results of operations and financial condition, is set forth under the "Risk Factors" section in th
- Except as otherwise required by applicable law, QuantumScape disclaims any duty to update any forward-looking statements, all of which are expressly qualified by the statements in this section, to reflect events or circumstances after the date of this presentation. QuantumScape cautions you that these forward-looking statements are subject to numerous risks and uncertainties, most of which are difficult to predict and many of which are beyond the control of QuantumScape. Should underlying assumptions prove incorrect, actual results and projections could different materially from those expressed in any forward-looking statements. Additional information concerning these and other factors that may impact the operations and projections discussed herein can be found in QuantumScape's periodic filings with the SEC. QuantumScape's SEC filings are available publicly on the SEC's website at www.sec.gov.



Management Team

Select Management Team Members



- Founder / CEO Infinera (NASDAQ: INFN); Lightera, now Ciena (NASDAQ: CIEN); OnFiber, now Qwest; AirSoft
- MS Computer Science, Stanford







- · Chair, Mechanical Engineering, Stanford
- Professor, Materials Science, Stanford
- · PhD, Physics, University of Vienna

Stanford University





- Research Associate, Stanford
- Ph.D. & MS Mechanical Engineering, Stanford
- · BS Physics, Stanford

Stanford University



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- Solid-state energy storage world expert
- Ph.D. Chem & Biomol Eng, Tulane
- · Postdoc, Polymers, Berkeley

CTO and co-founder, SEEO

Berkeley



KEVIN HETTRICH Chief Financial Officer

- Bain Capital
- McKinsey & Company US Department of Energy
- MBA & MS. Stanford



McKinsey & Company





- VP WW Sales, Infinera (NASDAQ:
- VP Strategic Sales, Ciena, (NASDAQ:
- VP WW Sales, Lightera





JAY UNDERWOOD Vice President, Sales



- · Sales Director, Northern Europe,
- Product Planning, Infinera
- MS Technology
- Infinerar



- CLO & CAO, Infinera (NASDAQ: INFN)
- SVP & General Counsel, Ciena (NASDAQ: CIEN)
- J.D. Vanderbilt



ciena









DIPENDER

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KENSINGTON CAPITAL ACQUISITION CORP

KENSINGTON

- · Management and board with extensive public company experience and operating capabilities in the automotive and automotive-related sector
- Relevant automotive experience to optimize program launches and capital deployment while facilitating commercial relationships
- · Track record of creating significant shareholder value in automotive businesses





JÜRGEN

LEOHOLD

VOLKSWAGEN























>\$1.5B of Committed Capital¹

Over \$300M spent on development to date

10 Years of R&D Investment

Founded in 2010

250+ Employees

World Class Next-gen Battery Development Team

200+ Patents²

Materials, Use and Process

Extensive Trade Secrets

Processes and Intellectual Property

- Prior to its merger with Kensington, QuantumScape secured over \$800 million in committed funds. With the addition of the \$700 million from its merger with Kensington and subsequent PIPE financing, QuantumScape will have received more than \$1.5 billion in commitments to date
- Includes patents and patent applications.

Volkswagen Committed to QuantumScape Technology

Volkswagen Group Overview

VOLKSWAGEN

- ~11 million vehicles produced in FY2019
- ~\$38 billion investment in electric mobility by 2024
- Plans to launch ~70 electric vehicle models and produce 22 million electric vehicles by 2029

Select Brands













"Volkswagen has become the largest shareholder of QuantumScape. Our US\$100 million investment is a key building block in the Group's battery strategy. One of the long-term targets is to establish a production line for solid-state batteries by 2025."

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- Herbert Diess, Volkswagen AG CEO

"The Volkswagen Group has established a joint venture with QuantumScape, a manufacturer of solid-state batteries. The shared goal of the companies is large-scale production..."

- Oliver Blume, Porsche CEO

Volkswagen Partners with QuantumScape

- 1 Corporate funding commitment of \$300+ million
- 2 Strong relationship since 2012, including development collaboration, testing of prototype cells and representation on the QS board of directors
- 3 Founded a JV to prepare for the mass production of solid-state batteries for Volkswagen

"In June 2020, the Volkswagen Group also announced plans to increase its shareholding in the US battery specialist QuantumScape. The objective is to promote the joint development of solid-state battery technology. In the future, solid-state batteries should result in a significantly increased range and faster charge times. They are regarded as the most promising approach to electric mobility for generations to come. Volkswagen has already been collaborating with QuantumScape since 2012 and is the largest automotive shareholder thus far. Both founded a joint venture in 2018, the aim of which is to prepare the mass production of solid-state batteries for Volkswagen."

- Volkswagen Group Half-Yearly Financial Report, July 2020

Source: Volkswagen AG Half-Yearly Financial Report published July-2020, 2019 Annual Report published Mar-2020, press releases published Mar-2019, Nov-2019 and Jun-2020, Half-year press conference published Aug-2018; Porsche Annual Press Conference published Mar-2019). Page 18 based on Volkswagen AG press release published Sep-2018.



Need battery breakthrough to enable electrification of remaining 98% of market



Customer Requirements for Mass Market Adoption



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Energy / Capacity >300 mile range



Fast Charging Charge in <15 min



Cost

< \$30K, 300 mile EVs



Battery Lifetime >12 years, >150k miles



Safety Solid, non-oxidizable

separator



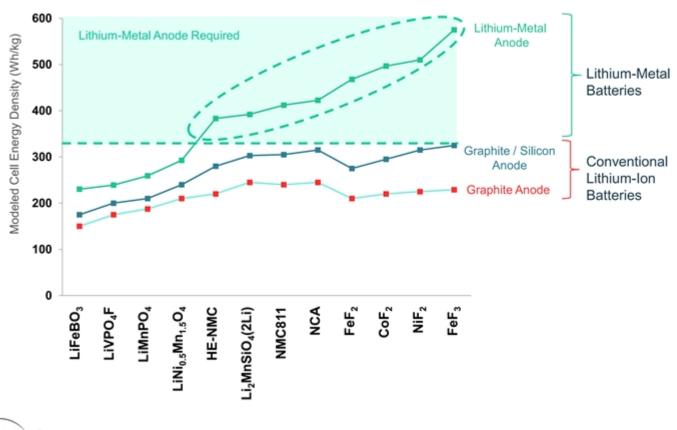
Source: International Organization of Motor Vehicle Manufacturers (OICA); IEA

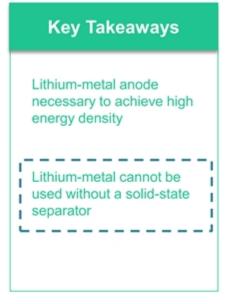
(1) Based on 2019 global vehicle production; includes passenger vehicles, heavy trucks, buses and coaches (OICA). Battery opportunity assumes \$100 / KWh and 50KWh+ battery pack.

(2) % of Global Car Stock in 2019 (IEA).

Lithium-Metal Anode is Required for High Energy Density





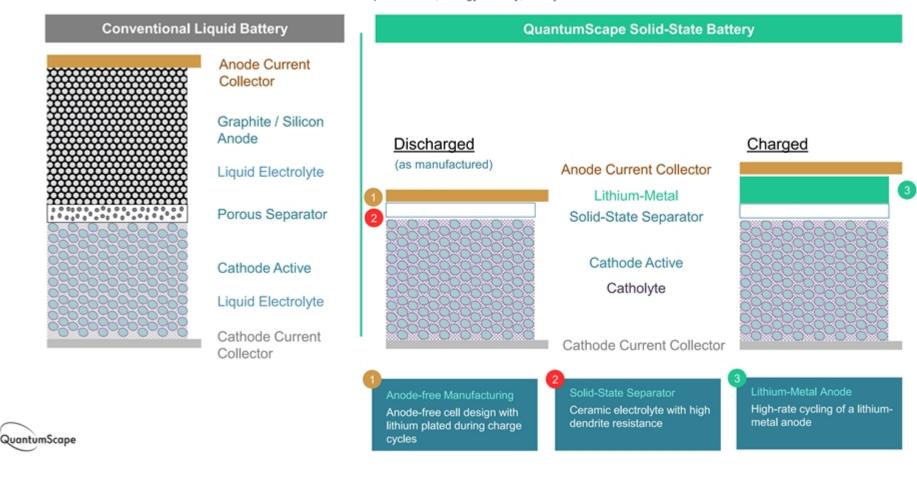


QuantumScape

Source: Andre et al, J Mater Chem A, (2015) 6709

QuantumScape Zero Li Anode-free Architecture

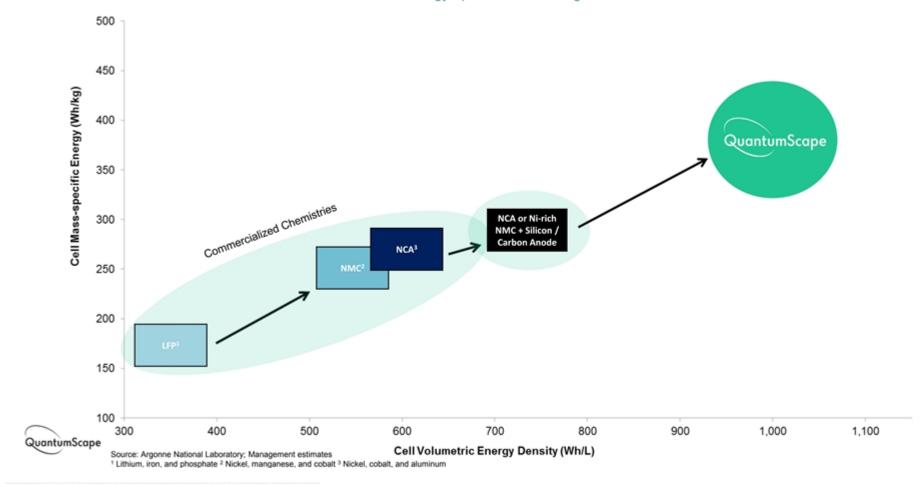
Improved cost, energy density, safety

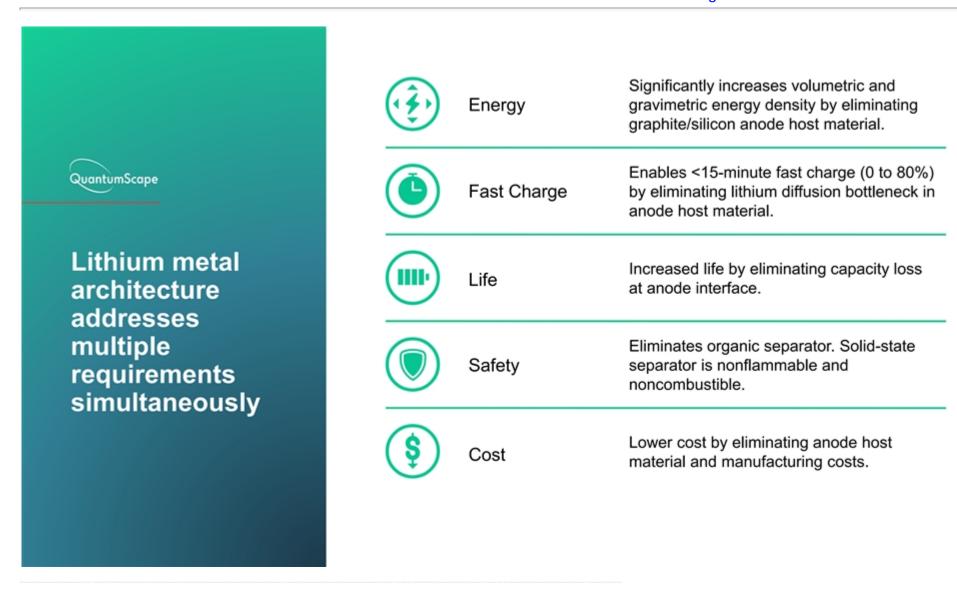


QuantumScape Energy Density

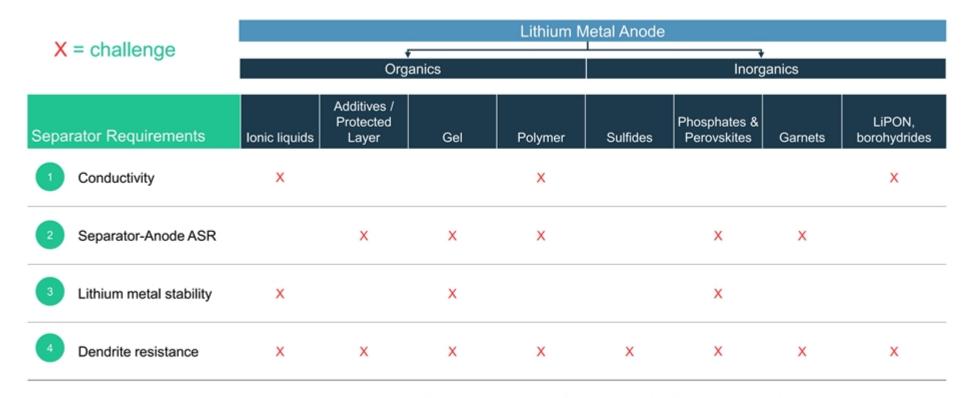
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Energy-optimized Cell Designs



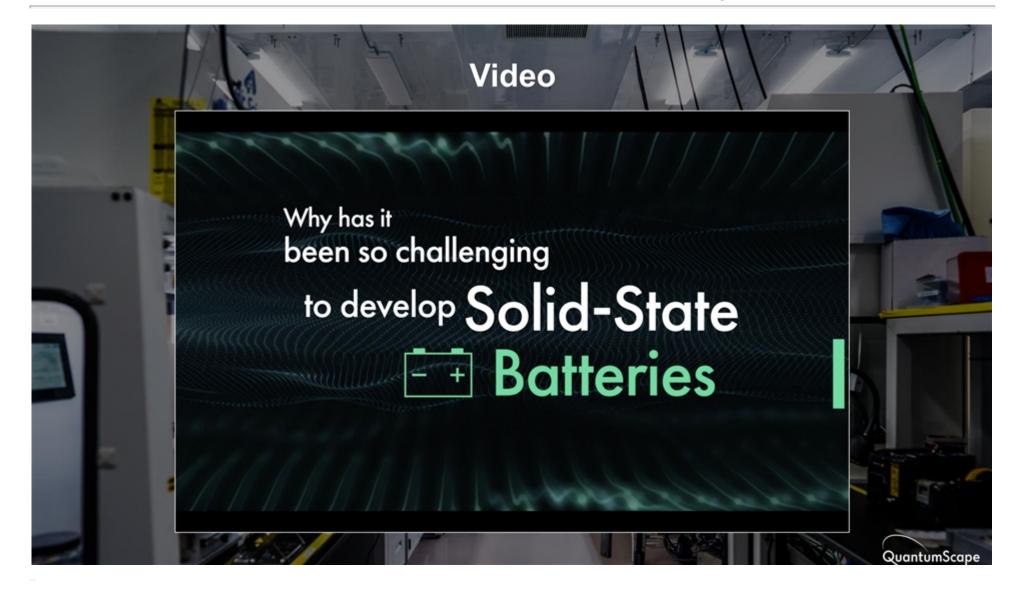


Previous Attempts Have Been Unsuccessful



Also must be thin and continuously processed at low cost over large area







Existing separators only work under severely compromised conditions



Low Current Density while Charging

Low Cathode Loading or Low C-rate

Slow Charge



Low Cycle Life

< 800 cycles

Life



Limited Temperature Range

Elevated only

Cost

Complexity



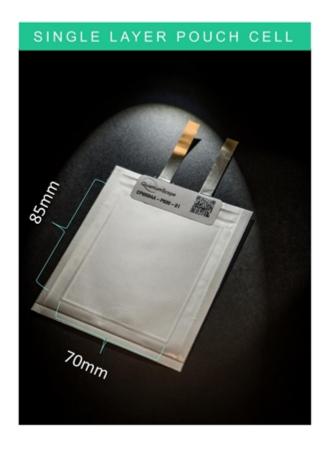
Requires Excess Lithium

Low Energy



QuantumScape Material & Cell





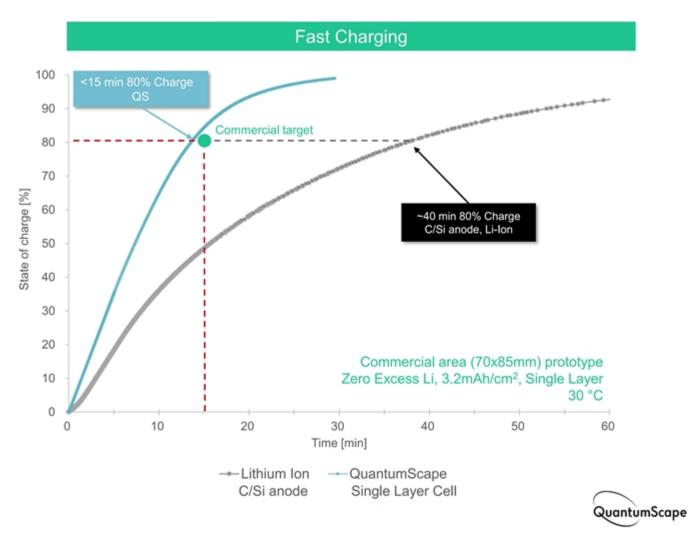
QuantumScape

Fast Charging

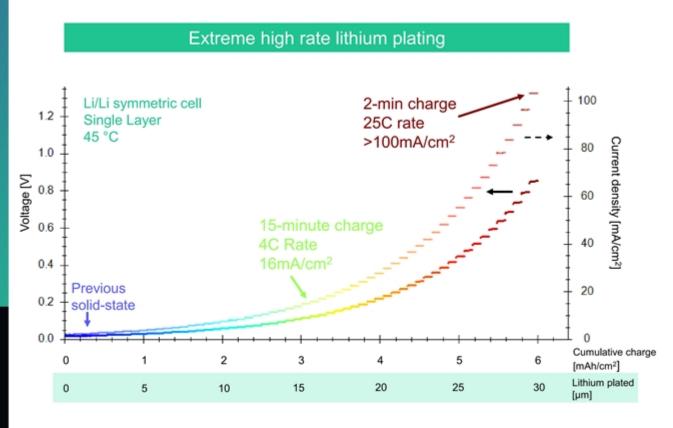
Fast charge capability exceeds commercial targets with commercial area single layer prototype

80% Charge in 15 minutes.
Lithium Ion batteries currently
only get to <50% in 15
minutes





Material Performance: Dendrite Resistance Material entitlement exists for full charge in <5 min Solid-state separator resists dendrites even at very high current density Based on solid-state separator material testing



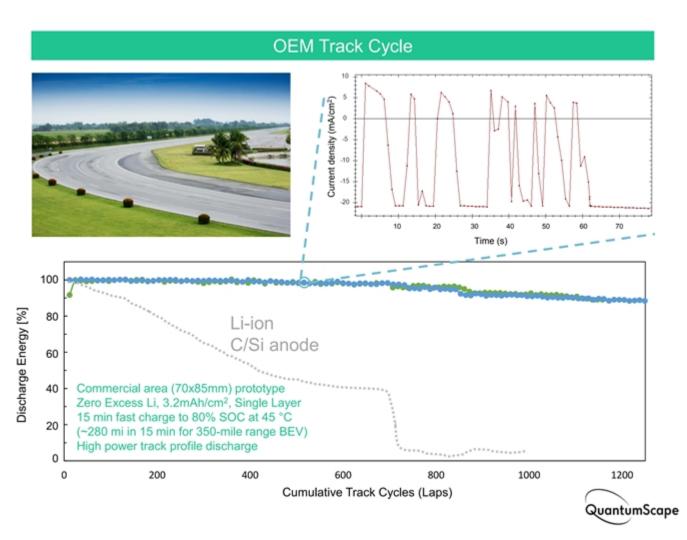


Power

Passed simulated OEMspecified track cycle with commercial area prototype

QS solid state cells can deliver aggressive automotive power profiles





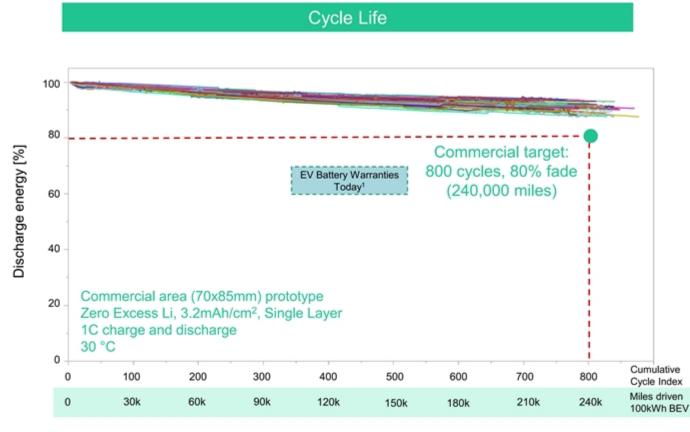
Battery Life

Meets commercial target with commercial area single layer prototype

Cycling with >80% energy retention in 800+ cycles (still on test)

Chart based on accelerated testing (3x automotive rates)





Source: MyEV.com and Tesla.com

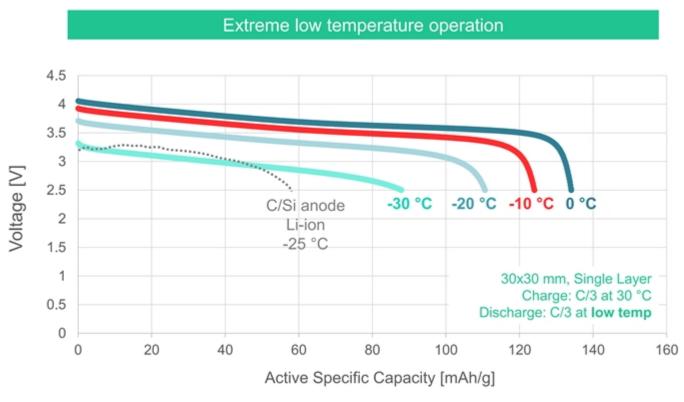


Material Performance: Low Temp

Operability shown at lower end of automotive temperature range with single layer prototype (30 x 30 mm)

Significant capacity is accessible even at -30° Celsius



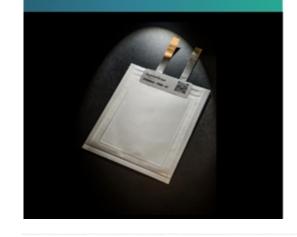


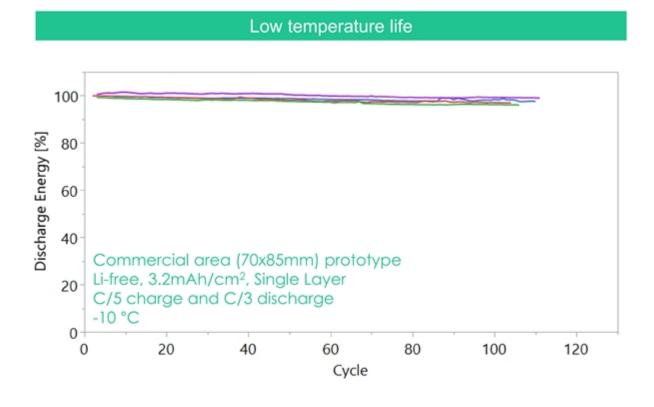


Cell **Performance: Low Temp**

Cycling with commercial area single layer prototype at low temperature (-10° Celsius)

Note: cells still on test





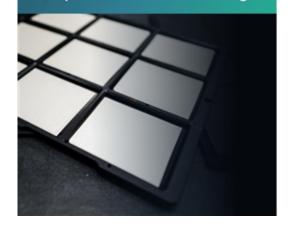


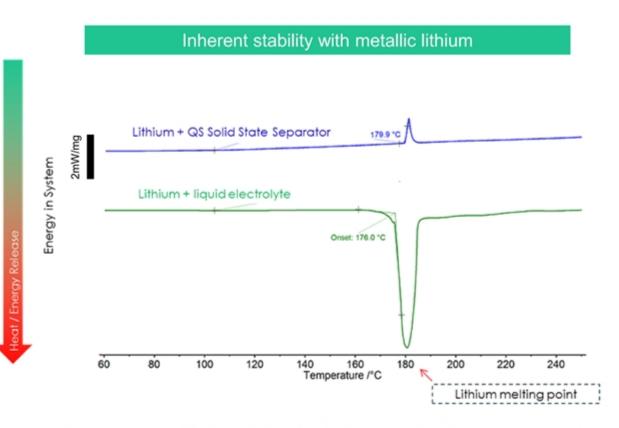
Material Performance: Thermal Stability

Solid state separator is not combustible and has high thermal stability

Lithium anode is chemically stable with separator and foil, even when molten

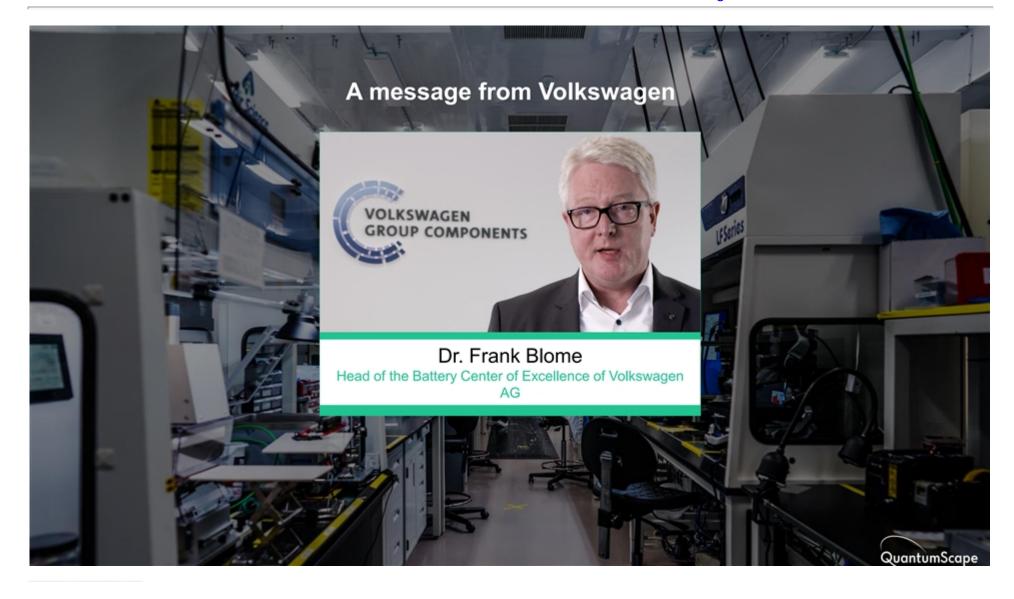
Based on solid-state separator material testing





Unlike a liquid electrolyte, QS solid-state separator has no appreciable reaction with molten lithium metal





Previous Lithium Metal Cells Have Been Commercially Unsuccessful

	Lithium Metal Anode					l
	Organics		Inorganics			l
Performance Requirements	Liquids	Polymers	Sulfides I II	Oxides	QuantumScape	Performance Implication
1 Charge rate	Х	Х	Х	Х	✓ 4C fast charge	Fast charge
2 Cycle life	Х		Х	х	✓ >800 cycles	Vehicle life & cost of ownership
30 °C operation		Х	х х		✓ 30 °C cycling	Cold temperature driving
4 Anode-free	х	Х	х х	х	✓ Li-free	Energy density (excess lithium required)



Moderator



Dr. David Danielson

- Managing Director, Breakthrough Energy Ventures
- Precourt Energy Scholar, Stanford
- Former Head of US DOE EERE Program

Today's Panel Discussions

Battery Science Panel



Dr. Stanley Whittingham

- Co-Inventor of the Lithium-Ion Battery
- 2019 Chemistry Nobel Prize Winner
- Distinguished Professor of Chemistry, Binghamton University (SUNY)
- Member QuantumScape Science Advisory Committee



Dr. Paul Albertus

- Former head, US DOE ARPA-E IONCS Solid-State Battery program
- Assistant Professor of Chemistry, University of Maryland



Dr. Venkat Viswanathan

- Battery expert, former lithiumair researcher
- Assistant Professor of Mechanical Engineering, Carnegie-Mellon University
- Member QuantumScape Science Advisory Committee



Dr. Tim Holme

- Founder and Chief Technology Officer, QuantumScape
- Research Associate, Stanford
- Ph.D. & MS Mechanical Engineering, Stanford

Commercial Impact on the EV Market



JB Straubel

- Co-founder and CEO of Redwood Materials
- Co-founder and Former Chief Technology Officer, Tesla
- Board Member, QuantumScape



Dr. Jürgen Leohold

- Board Member, QuantumScape
- Former Head Group Research, Volkswagen
- Former Professor Vehicle Systems and Electrical Engineering, University of Kassel
- Board Member, QuantumScape

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